

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060491.D
 Acq On : 30 Jan 2024 20:02
 Operator : MA/JU
 Sample : P1276-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-36

Quant Time: Jan 31 01:24:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

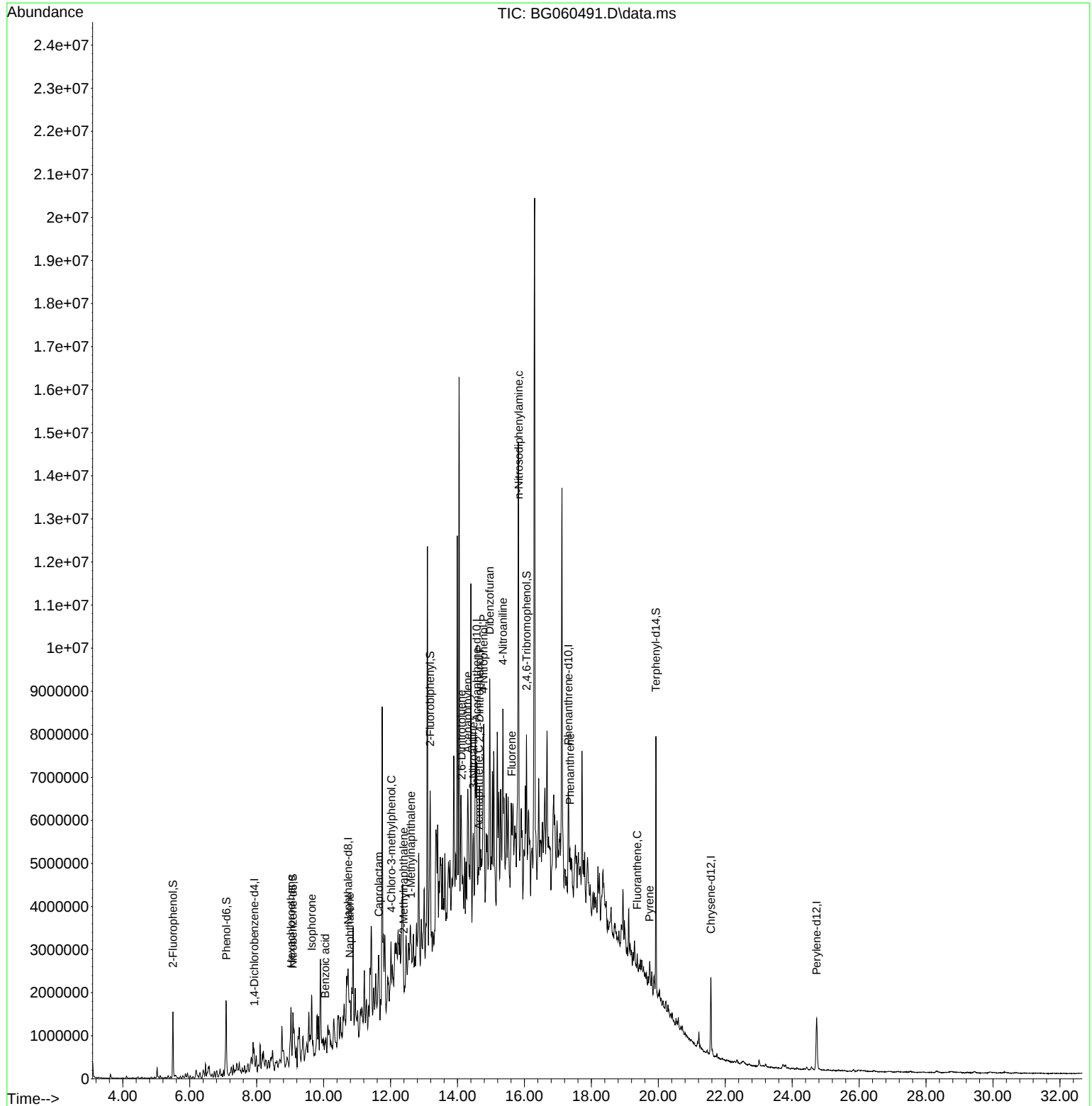
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.925	152	167837	20.000	ng	0.00
21) Naphthalene-d8	10.728	136	692338	20.000	ng	# 0.00
39) Acenaphthene-d10	14.571	164	503681	20.000	ng	0.00
64) Phenanthrene-d10	17.314	188	1141618	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1128305	20.000	ng	0.00
86) Perylene-d12	24.729	264	1337018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	766962	75.162	ng	0.00
7) Phenol-d6	7.091	99	1149558	76.079	ng	0.00
23) Nitrobenzene-d5	9.083	82	758667	51.744	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	566839	76.490	ng	0.00
45) 2-Fluorobiphenyl	13.184	172	2012490	55.551	ng	0.00
79) Terphenyl-d14	19.929	244	3068259	61.883	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	9.030	117	51821	11.476	ng	# 1
25) Isophorone	9.641	82	165923	5.635	ng	# 1
31) Naphthalene	10.781	128	103091	2.841	ng	# 71
32) Benzoic acid	10.047	122	4410	10.733	ng	# 1
35) Caprolactam	11.651	113	12202	3.166	ng	# 1
36) 4-Chloro-3-methylphenol	12.021	107	26347	2.167	ng	# 26
37) 2-Methylnaphthalene	12.391	142	238910	8.876	ng	# 92
38) 1-Methylnaphthalene	12.608	142	196940	7.286	ng	# 99
49) Acenaphthylene	14.300	152	109807	2.448	ng	# 1
51) 2,6-Dinitrotoluene	14.118	165	44677	5.440	ng	# 66
52) Acenaphthene	14.635	154	89751	3.214	ng	# 77
53) 3-Nitroaniline	14.471	138	61340	8.196	ng	# 13
54) 2,4-Dinitrophenol	14.659	184	3078	9.138	ng	# 1
55) Dibenzofuran	14.964	168	108788	2.333	ng	# 1
56) 4-Nitrophenol	14.776	139	82980	14.949	ng	# 1
58) Fluorene	15.616	166	178715	4.629	ng	# 72
62) 4-Nitroaniline	15.358	138	38481	4.831	ng	94
66) n-Nitrosodiphenylamine	15.828	169	750064	24.744	ng	# 42
71) Phenanthrene	17.361	178	362566	6.571	ng	# 90
75) Fluoranthene	19.371	202	185376	2.797	ng	95
78) Pyrene	19.735	202	221618	3.076	ng	# 93

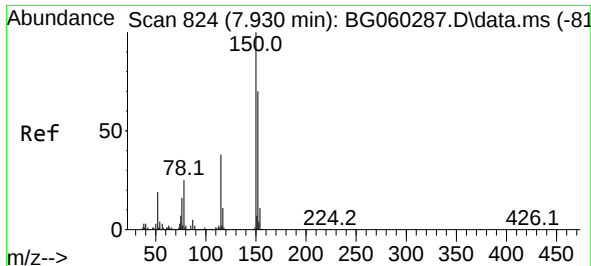
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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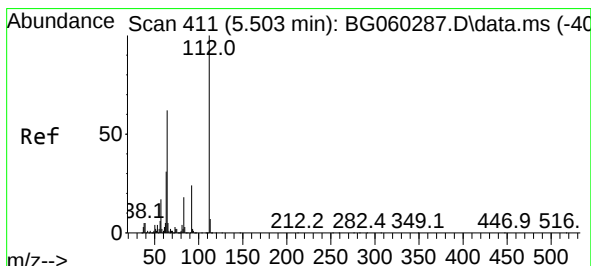
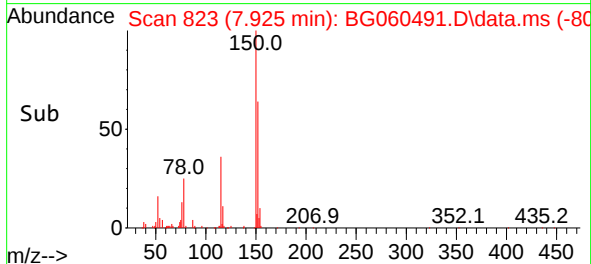
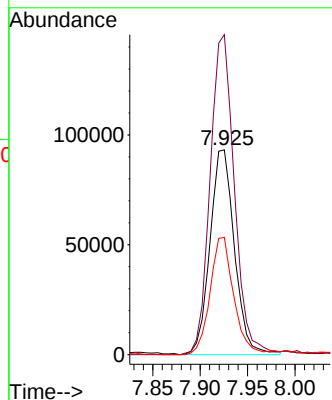
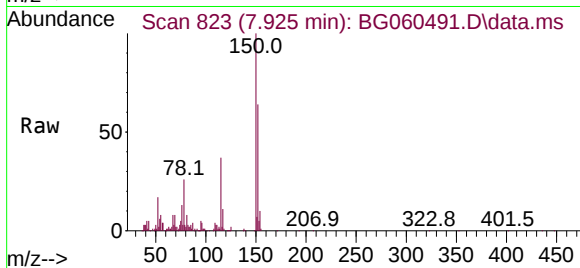




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.925 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

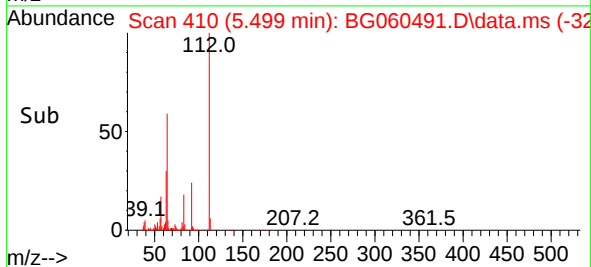
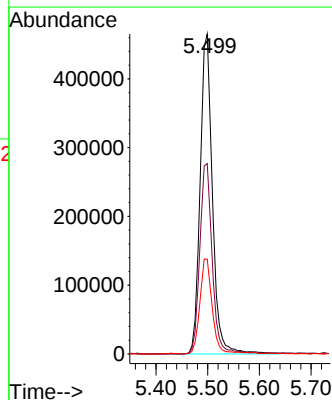
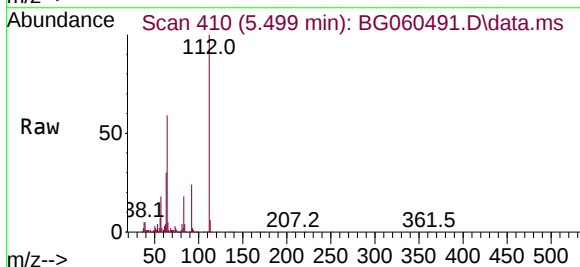
Instrument :
BNA_G
ClientSampleId :
TP-36

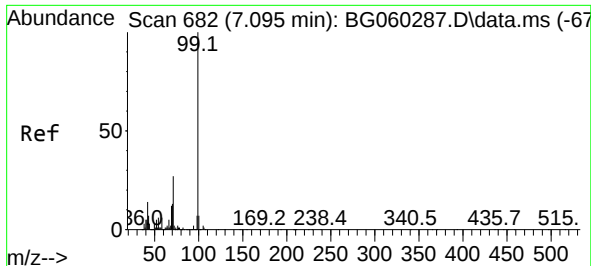
Tgt Ion:152 Resp: 167837
Ion Ratio Lower Upper
152 100
150 156.3 114.5 171.7
115 57.3 43.0 64.6



#5
2-Fluorophenol
Concen: 75.162 ng
RT: 5.499 min Scan# 410
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:112 Resp: 766962
Ion Ratio Lower Upper
112 100
64 59.5 49.8 74.6
63 29.6 24.4 36.6





#7

Phenol-d6

Concen: 76.079 ng

RT: 7.091 min Scan# 681

Delta R.T. -0.004 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

Instrument :

BNA_G

ClientSampleId :

TP-36

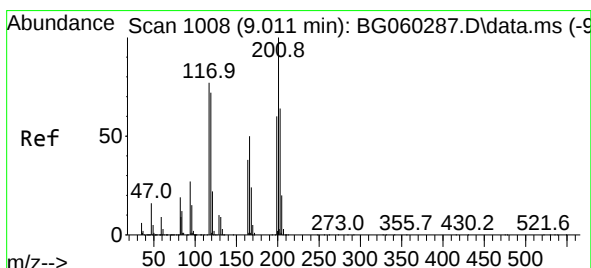
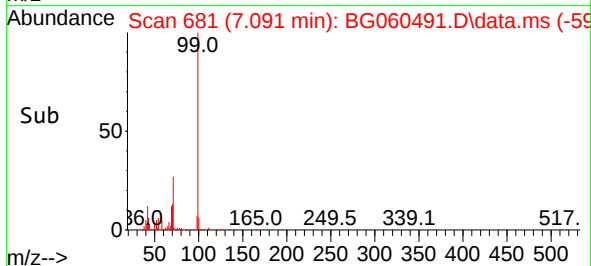
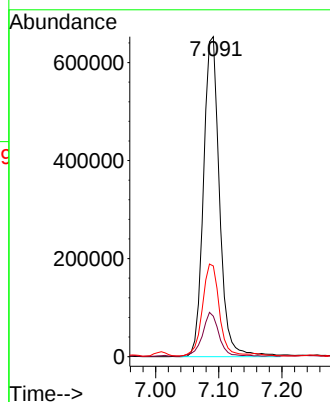
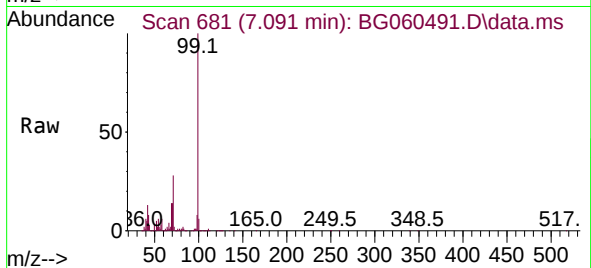
Tgt Ion: 99 Resp: 1149558

Ion Ratio Lower Upper

99 100

42 12.6 10.9 16.3

71 28.3 21.5 32.3



#18

Hexachloroethane

Concen: 11.476 ng

RT: 9.030 min Scan# 1011

Delta R.T. 0.019 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

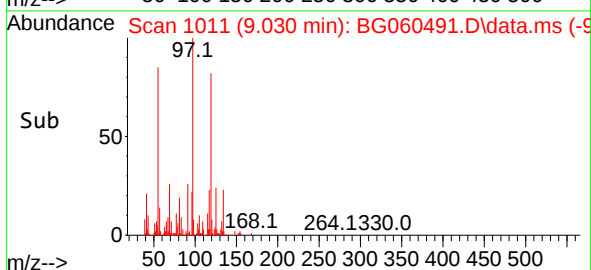
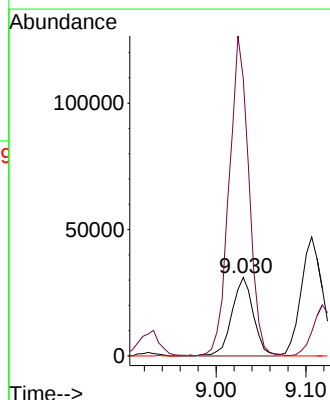
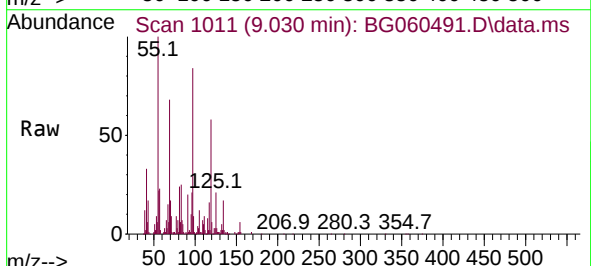
Tgt Ion: 117 Resp: 51821

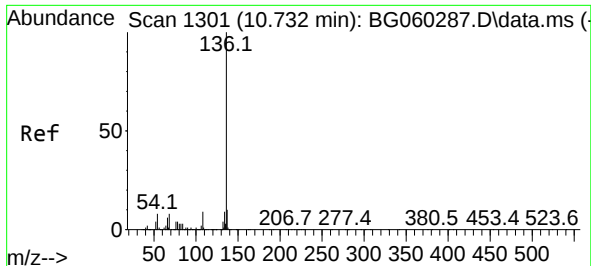
Ion Ratio Lower Upper

117 100

119 353.8 74.5 111.7#

201 0.0 106.3 159.5#



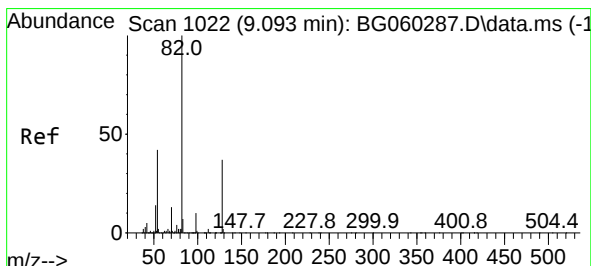
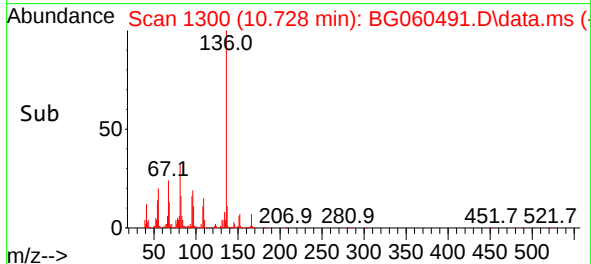
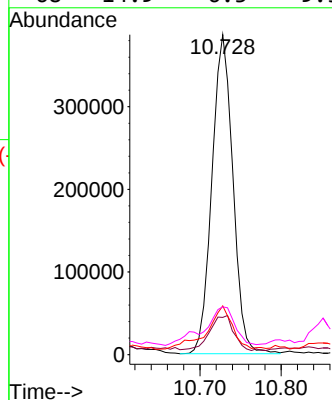
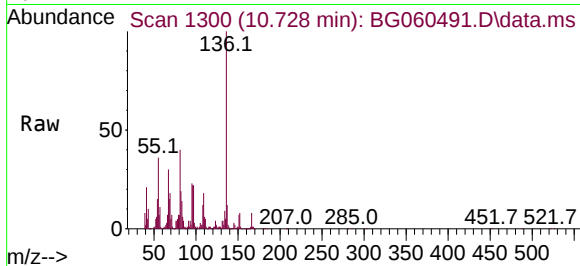


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.728 min Scan# 1300
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Instrument :
BNA_G
ClientSampleId :
TP-36

Tgt Ion:136 Resp: 692338

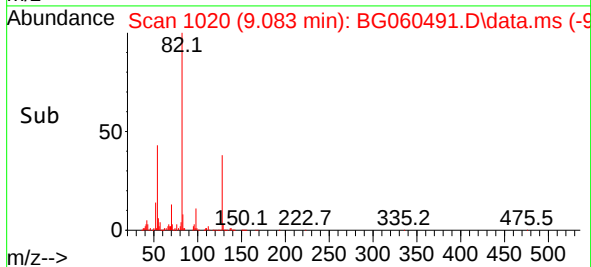
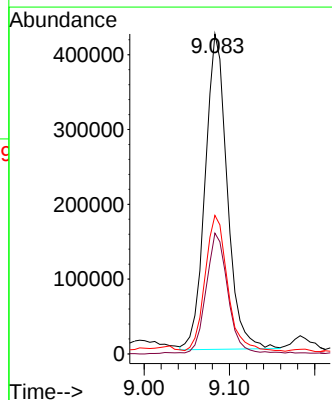
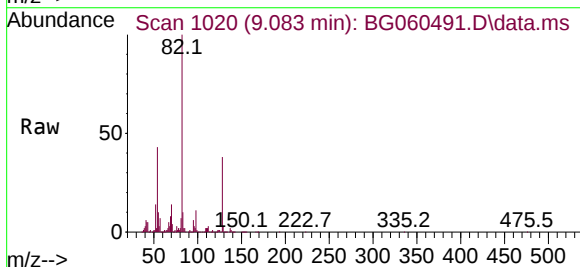
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.4
54	15.2	6.2	9.2#
68	14.9	6.3	9.5#

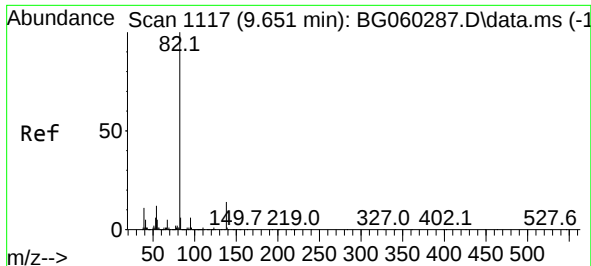


#23
Nitrobenzene-d5
Concen: 51.744 ng
RT: 9.083 min Scan# 1020
Delta R.T. -0.010 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion: 82 Resp: 758667

Ion	Ratio	Lower	Upper
82	100		
128	37.7	29.6	44.4
54	43.3	33.6	50.4

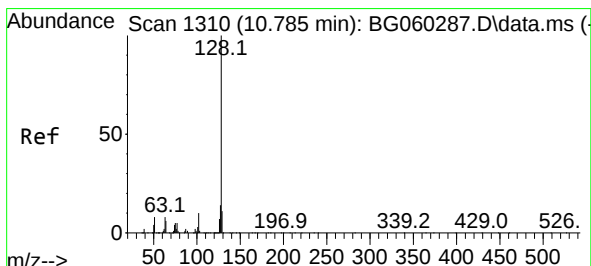
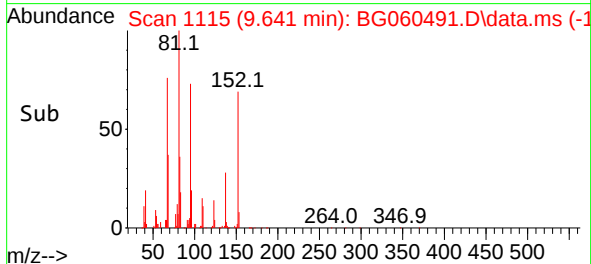
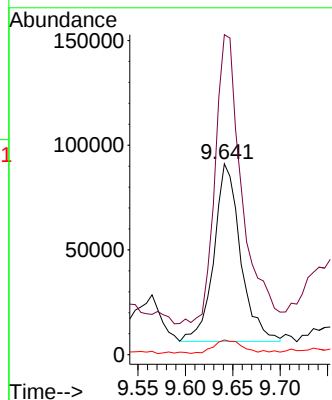
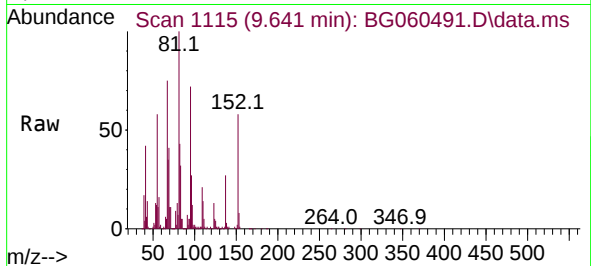




#25
Isophorone
Concen: 5.635 ng
RT: 9.641 min Scan# 1115
Delta R.T. -0.010 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

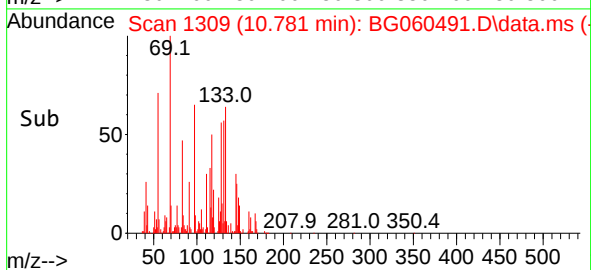
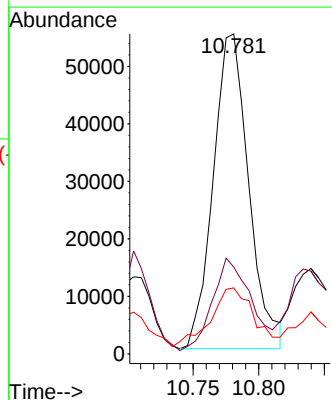
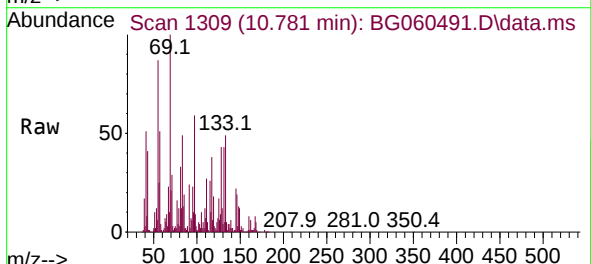
Instrument :
BNA_G
ClientSampleId :
TP-36

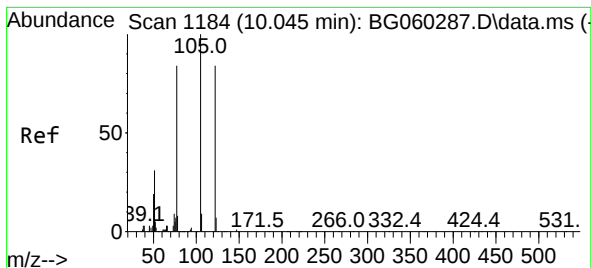
Tgt Ion: 82 Resp: 165923
Ion Ratio Lower Upper
82 100
95 167.7 4.7 7.1#
138 7.7 11.1 16.7#



#31
Naphthalene
Concen: 2.841 ng
RT: 10.781 min Scan# 1309
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:128 Resp: 103091
Ion Ratio Lower Upper
128 100
129 27.1 8.9 13.3#
127 20.6 10.9 16.3#





#32

Benzoic acid

Concen: 10.733 ng

RT: 10.047 min Scan# 1184

Delta R.T. 0.002 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

Instrument :

BNA_G

ClientSampleId :

TP-36

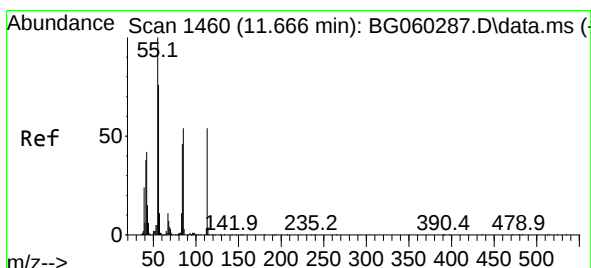
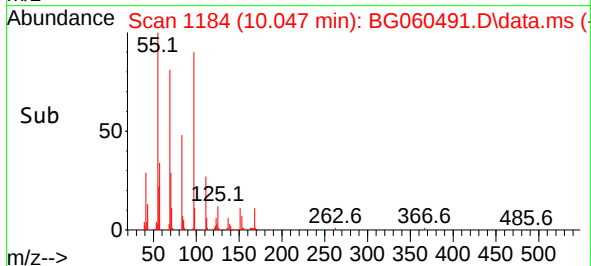
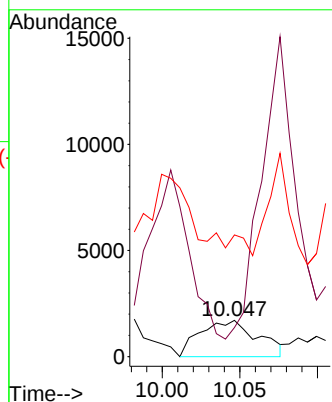
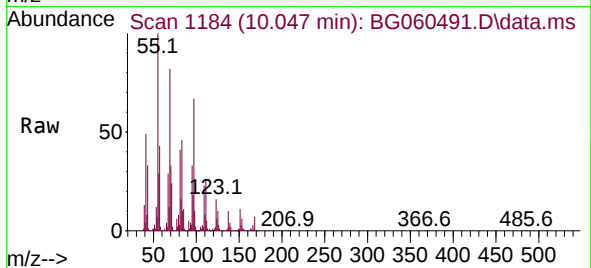
Tgt Ion:122 Resp: 4410

Ion Ratio Lower Upper

122 100

105 80.2 96.0 136.0#

77 335.8 80.1 120.1#



#35

Caprolactam

Concen: 3.166 ng

RT: 11.651 min Scan# 1457

Delta R.T. -0.016 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

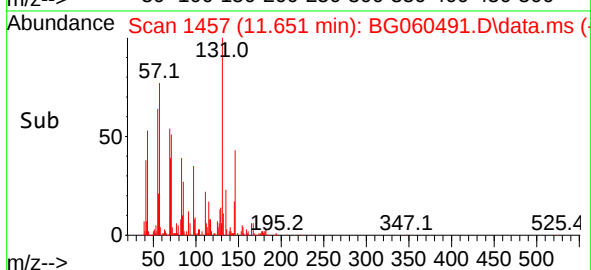
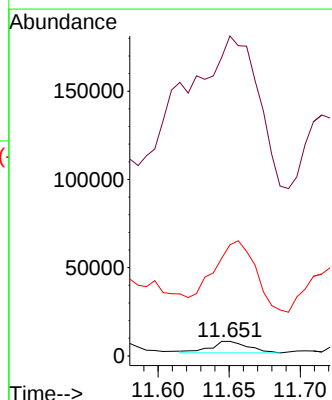
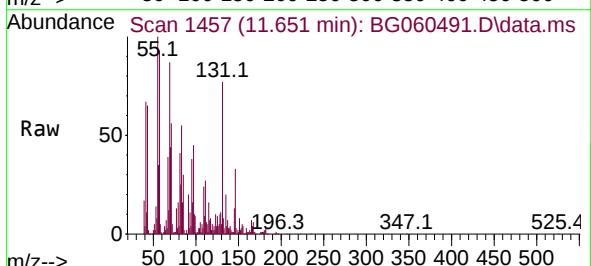
Tgt Ion:113 Resp: 12202

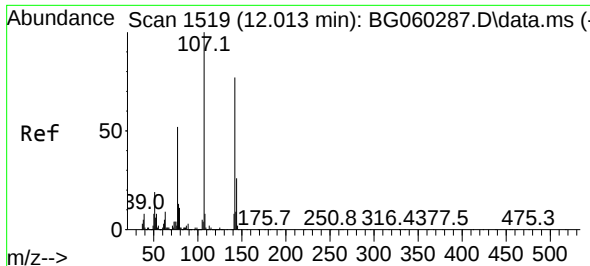
Ion Ratio Lower Upper

113 100

55 2214.9 166.4 206.4#

56 768.9 121.0 161.0#

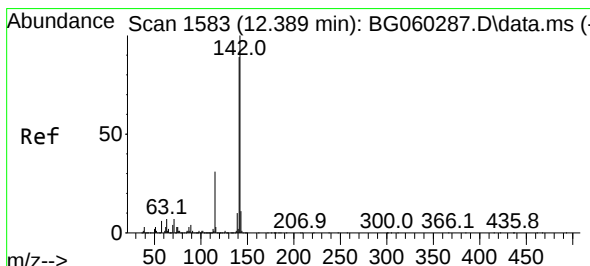
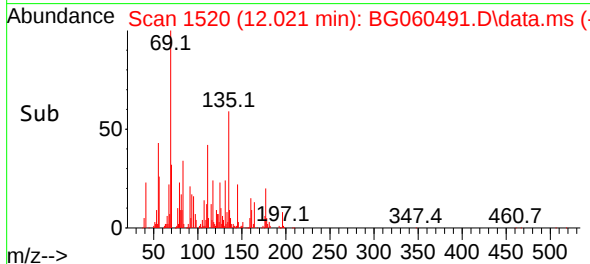
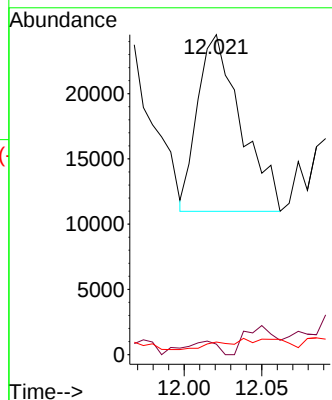
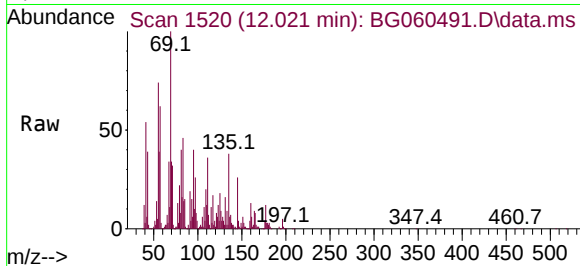




#36
4-Chloro-3-methylphenol
Concen: 2.167 ng
RT: 12.021 min Scan# 1519
Delta R.T. 0.008 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

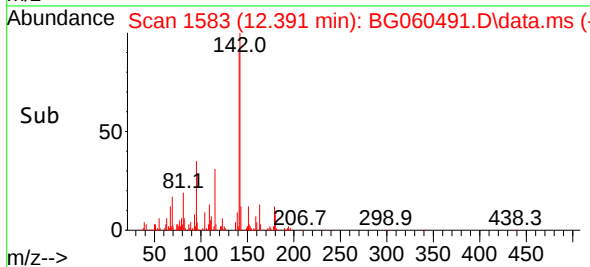
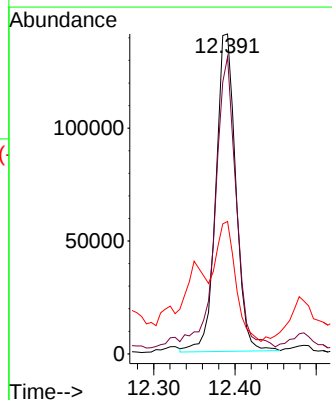
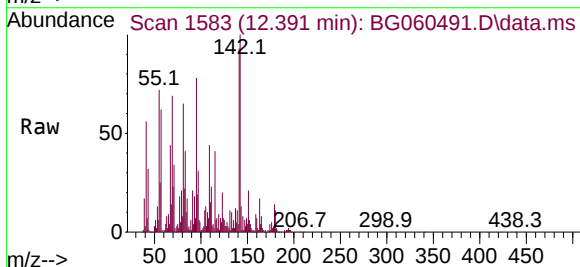
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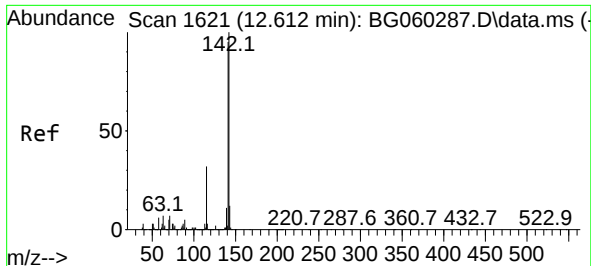
Tgt Ion:107 Resp: 26347
Ion Ratio Lower Upper
107 100
144 3.3 20.6 31.0#
142 3.9 61.5 92.3#



#37
2-Methylnaphthalene
Concen: 8.876 ng
RT: 12.391 min Scan# 1583
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:142 Resp: 238910
Ion Ratio Lower Upper
142 100
141 92.8 71.0 106.4
115 41.4 24.7 37.1#

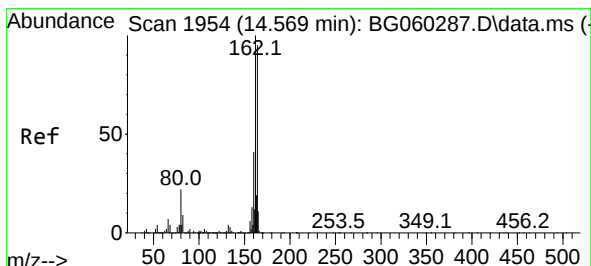
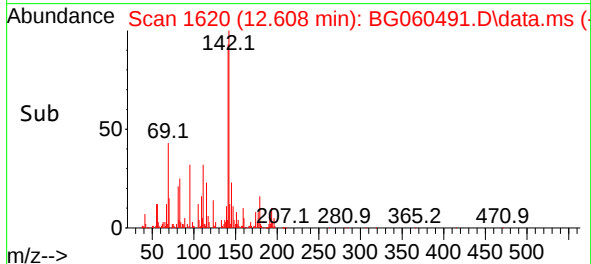
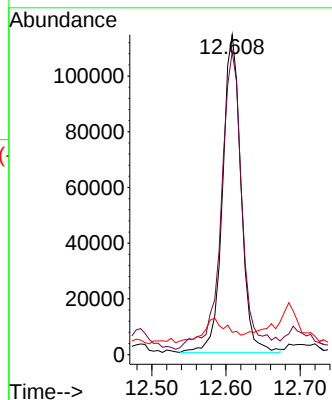
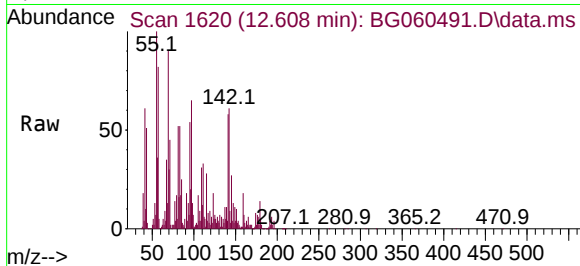




#38
1-Methylnaphthalene
Concen: 7.286 ng
RT: 12.608 min Scan# 1620
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

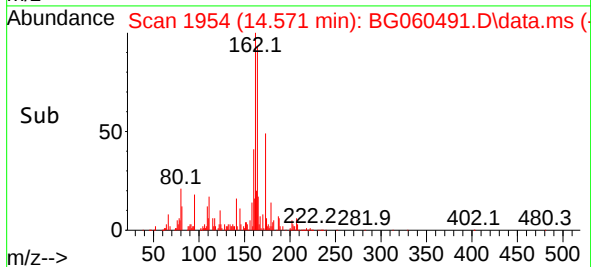
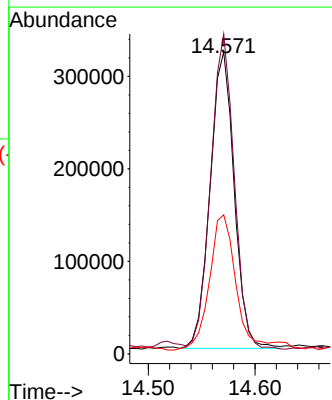
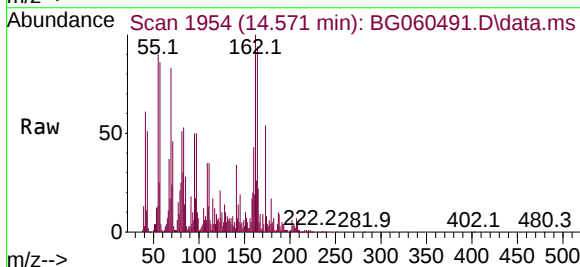
Instrument :
BNA_G
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TP-36

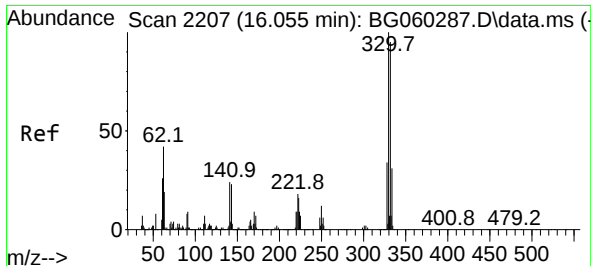
Tgt Ion:142 Resp: 196940
Ion Ratio Lower Upper
142 100
141 94.7 76.2 114.2
116 7.0 2.6 3.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.571 min Scan# 1954
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:164 Resp: 503681
Ion Ratio Lower Upper
164 100
162 105.9 84.4 126.6
160 46.0 34.6 52.0

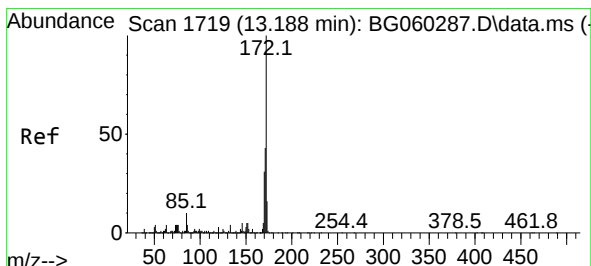
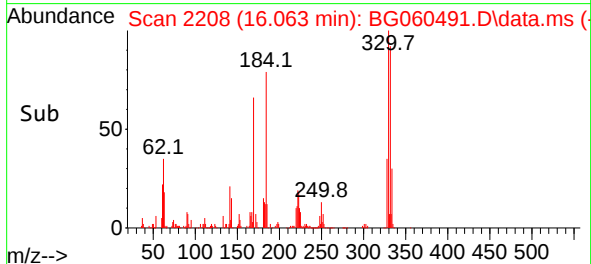
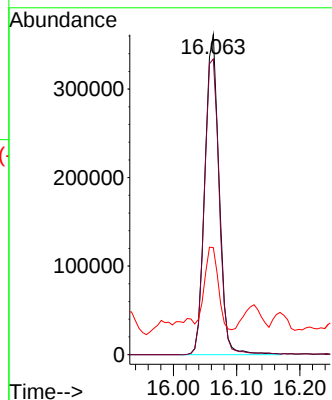
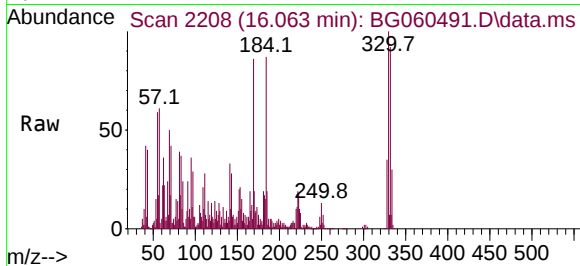




#42
2,4,6-Tribromophenol
Concen: 76.490 ng
RT: 16.063 min Scan# 21
Delta R.T. 0.008 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

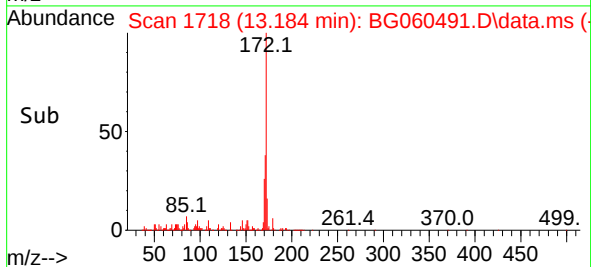
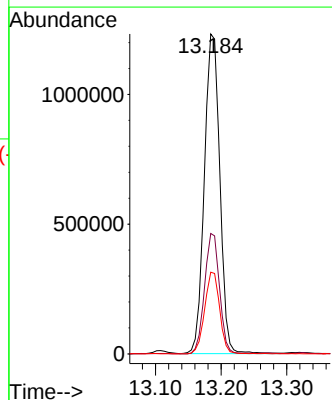
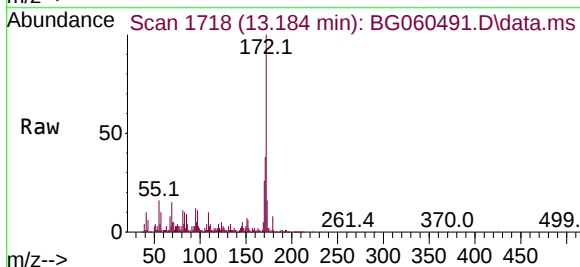
Instrument :
BNA_G
ClientSampleId :
TP-36

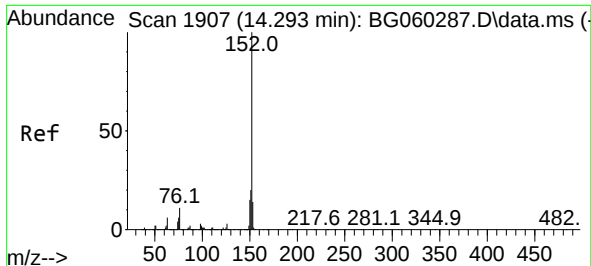
Tgt Ion:330 Resp: 566839
Ion Ratio Lower Upper
330 100
332 96.1 76.7 115.1
141 24.6 18.6 28.0



#45
2-Fluorobiphenyl
Concen: 55.551 ng
RT: 13.184 min Scan# 1718
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:172 Resp: 2012490
Ion Ratio Lower Upper
172 100
171 37.6 34.6 51.8
170 25.5 24.4 36.6

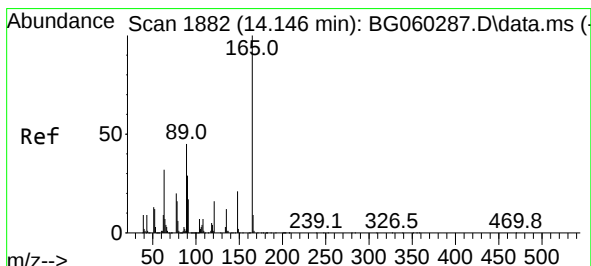
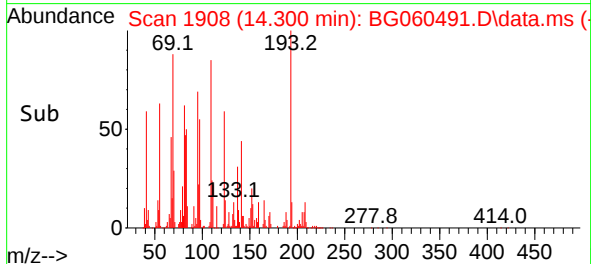
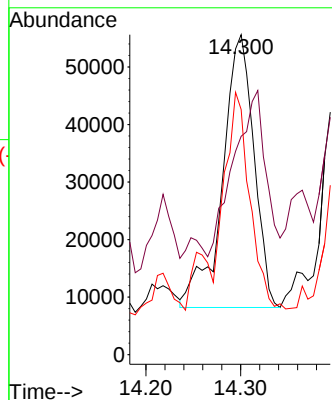
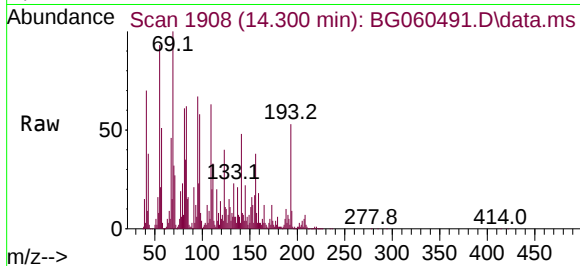




#49
Acenaphthylene
Concen: 2.448 ng
RT: 14.300 min Scan# 1907
Delta R.T. 0.008 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

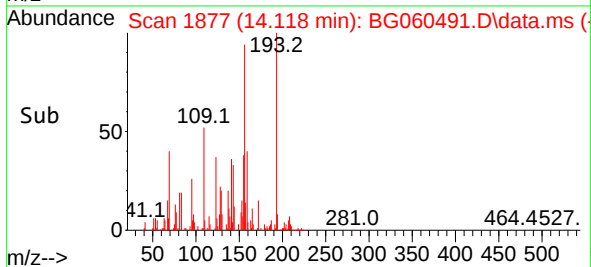
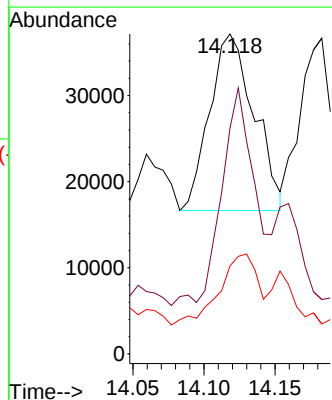
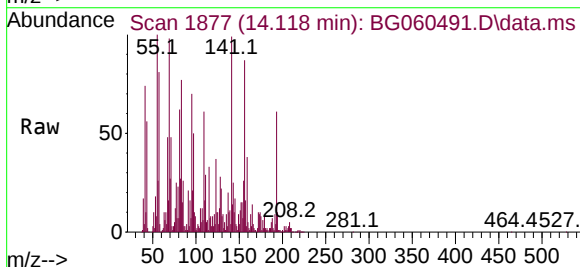
Instrument :
BNA_G
ClientSampleId :
TP-36

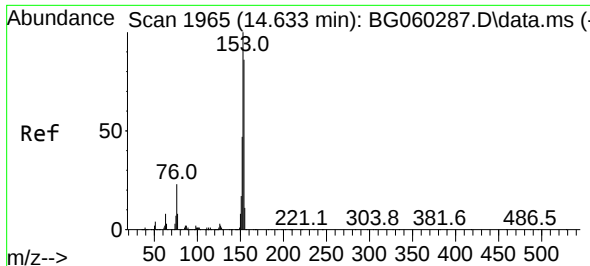
Tgt Ion:152 Resp: 109807
Ion Ratio Lower Upper
152 100
151 68.2 16.1 24.1#
153 76.6 11.5 17.3#



#51
2,6-Dinitrotoluene
Concen: 5.440 ng
RT: 14.118 min Scan# 1877
Delta R.T. -0.028 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:165 Resp: 44677
Ion Ratio Lower Upper
165 100
63 70.5 35.0 52.4#
89 27.5 36.2 54.2#

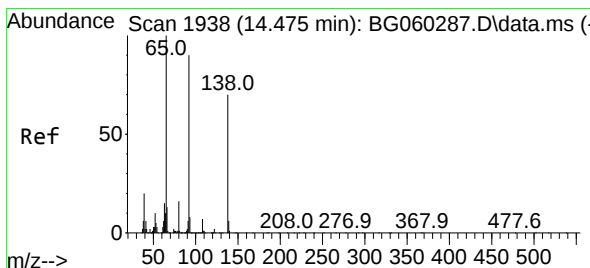
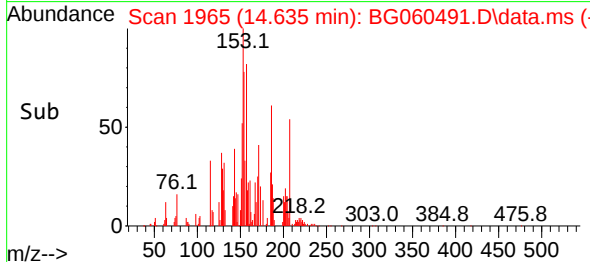
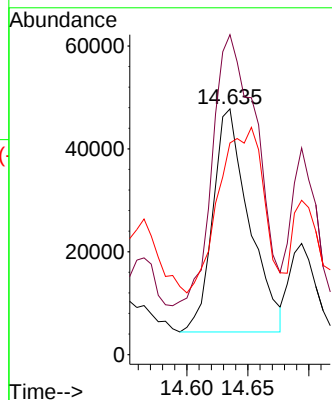
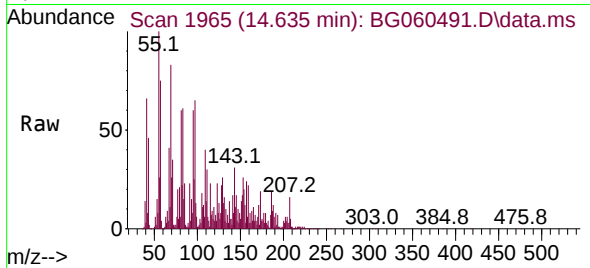




#52
Acenaphthene
Concen: 3.214 ng
RT: 14.635 min Scan# 1965
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

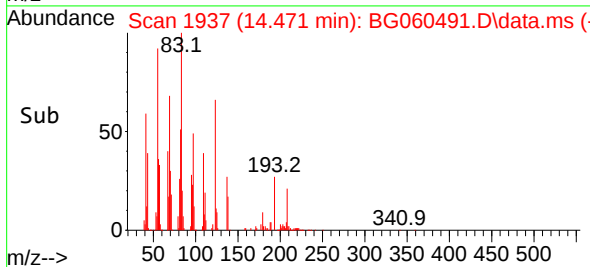
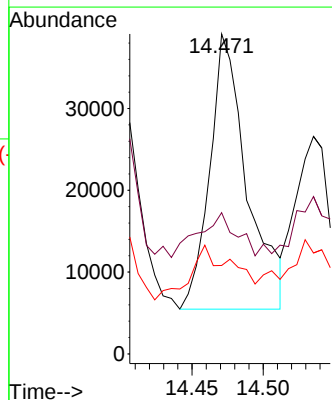
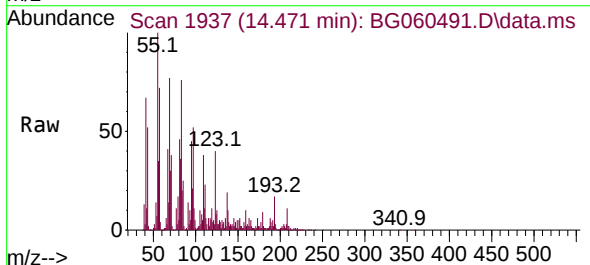
Instrument :
BNA_G
ClientSampleId :
TP-36

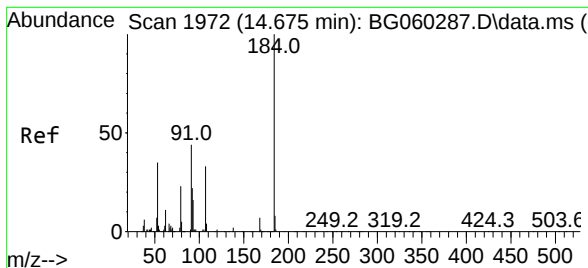
Tgt Ion:154 Resp: 89751
Ion Ratio Lower Upper
154 100
153 130.3 92.6 138.8
152 86.2 43.8 65.8#



#53
3-Nitroaniline
Concen: 8.196 ng
RT: 14.471 min Scan# 1937
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:138 Resp: 61340
Ion Ratio Lower Upper
138 100
108 44.1 7.8 11.8#
92 27.6 102.4 153.6#





#54

2,4-Dinitrophenol

Concen: 9.138 ng

RT: 14.659 min Scan# 1972

Delta R.T. -0.016 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

Instrument :

BNA_G

ClientSampleId :

TP-36

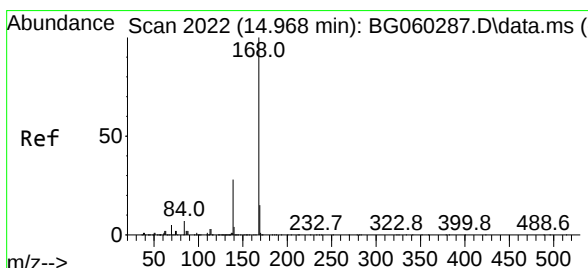
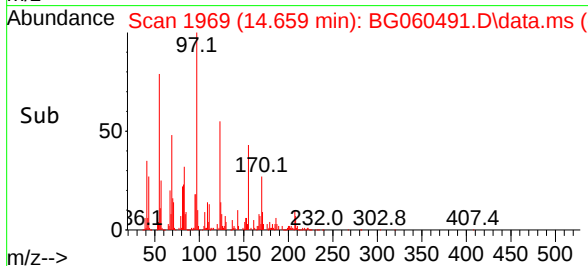
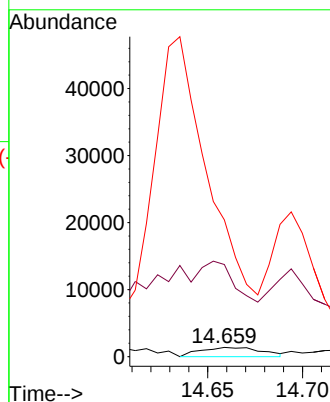
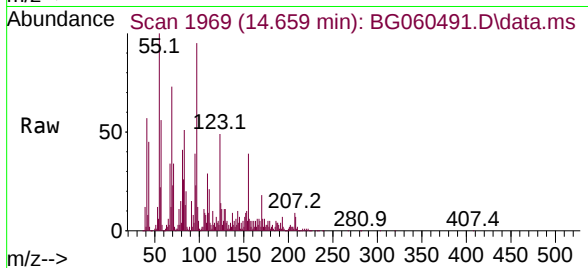
Tgt Ion:184 Resp: 3078

Ion Ratio Lower Upper

184 100

63 1006.0 41.0 61.4#

154 1494.0 39.2 58.8#



#55

Dibenzofuran

Concen: 2.333 ng

RT: 14.964 min Scan# 2021

Delta R.T. -0.004 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

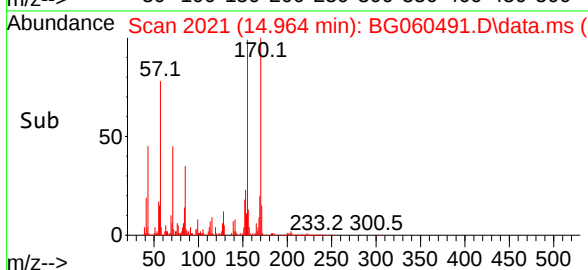
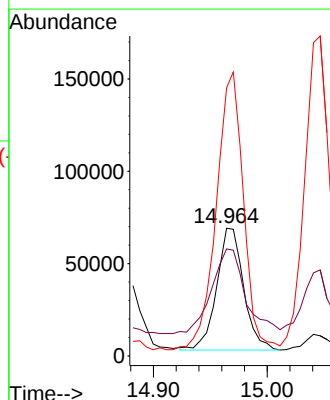
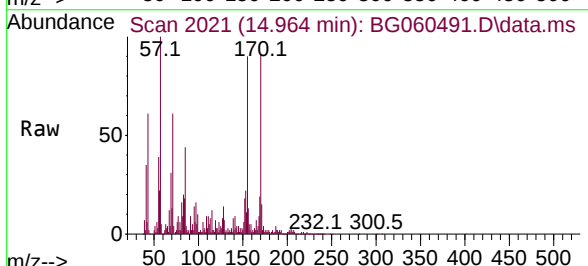
Tgt Ion:168 Resp: 108788

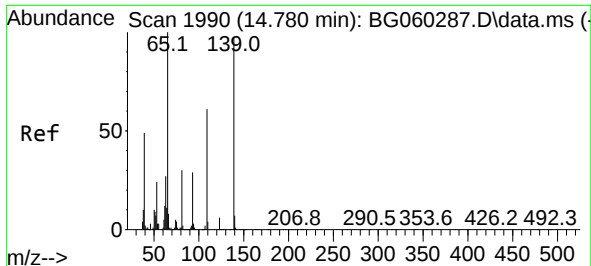
Ion Ratio Lower Upper

168 100

139 83.9 22.6 34.0#

169 210.1 12.1 18.1#

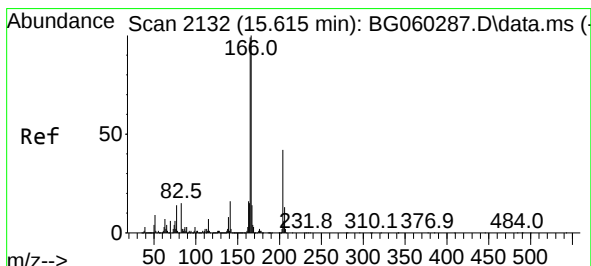
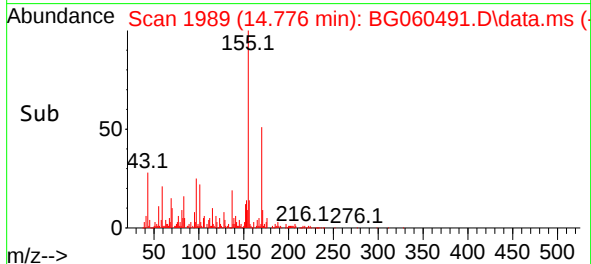
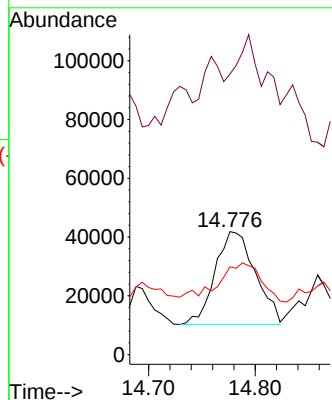
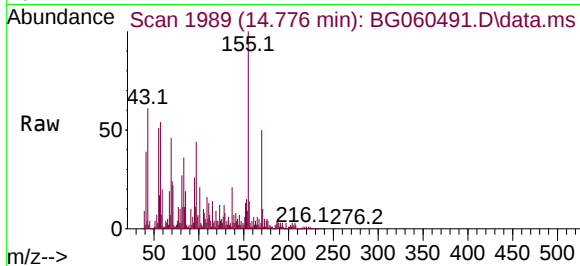




#56
4-Nitrophenol
Concen: 14.949 ng
RT: 14.776 min Scan# 1990
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

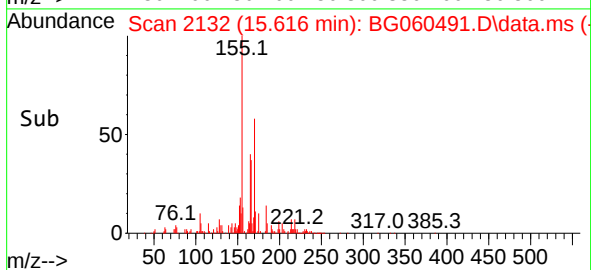
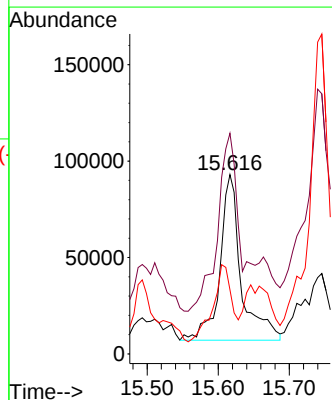
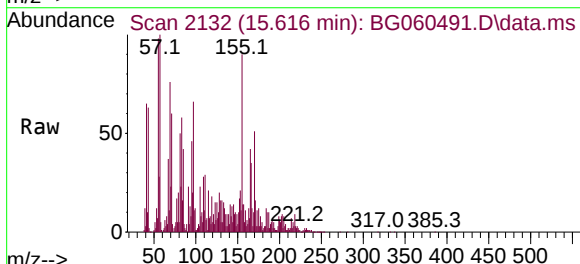
Instrument :
BNA_G
ClientSampleId :
TP-36

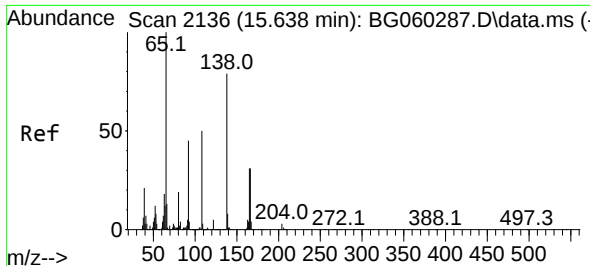
Tgt Ion:139 Resp: 82980
Ion Ratio Lower Upper
139 100
109 228.1 42.2 82.2#
65 71.4 83.3 123.3#



#58
Fluorene
Concen: 4.629 ng
RT: 15.616 min Scan# 2132
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:166 Resp: 178715
Ion Ratio Lower Upper
166 100
165 122.9 79.0 118.6#
167 35.8 11.4 17.0#

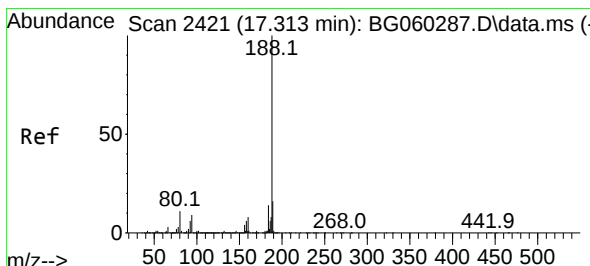
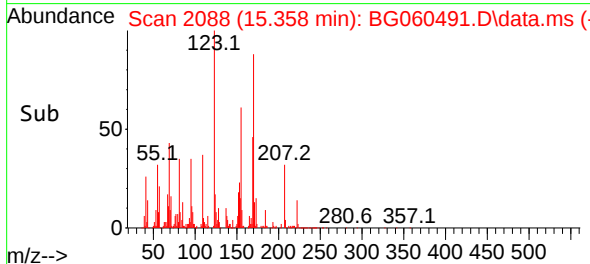
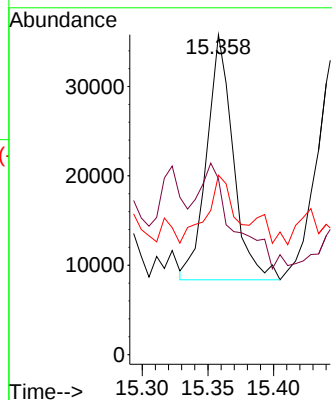
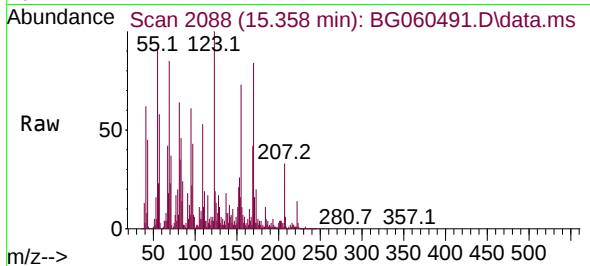




#62
4-Nitroaniline
Concen: 4.831 ng
RT: 15.358 min Scan# 2088
Delta R.T. -0.280 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

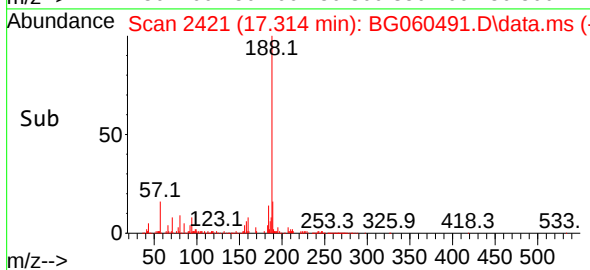
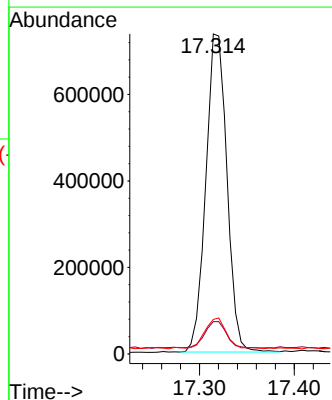
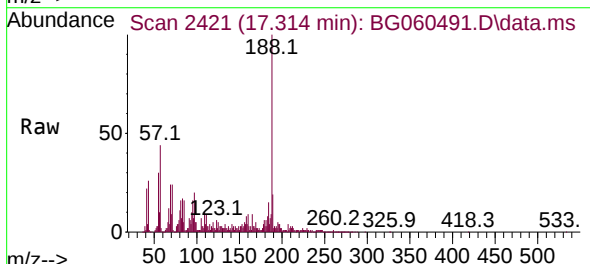
Instrument :
BNA_G
ClientSampleId :
TP-36

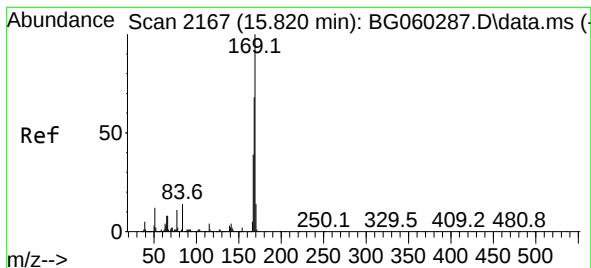
Tgt Ion:138 Resp: 38481
Ion Ratio Lower Upper
138 100
92 55.0 37.0 77.0
108 56.1 43.1 83.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.314 min Scan# 2421
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:188 Resp: 1141618
Ion Ratio Lower Upper
188 100
94 10.1 7.1 10.7
80 10.8 8.5 12.7





#66

n-Nitrosodiphenylamine

Concen: 24.744 ng

RT: 15.828 min Scan# 2168

Delta R.T. 0.008 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

Instrument :

BNA_G

ClientSampleId :

TP-36

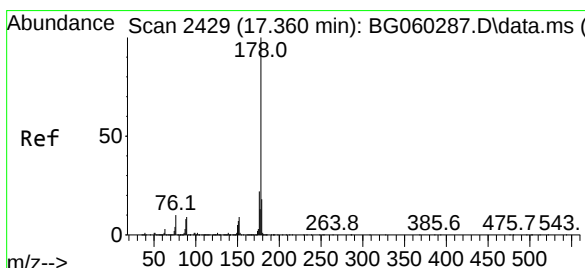
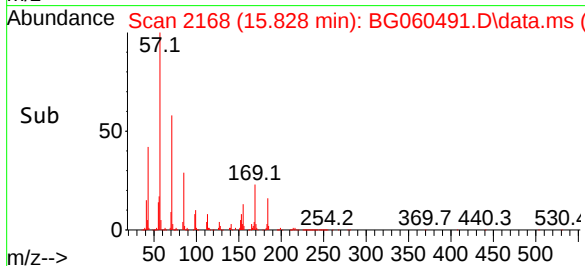
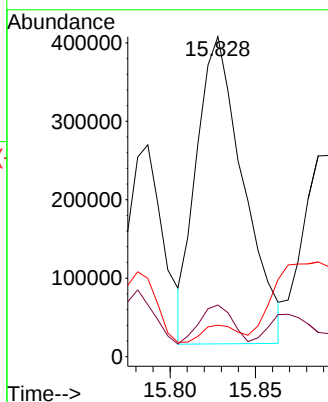
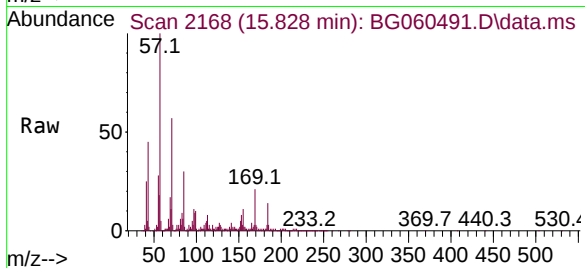
Tgt Ion:169 Resp: 750064

Ion Ratio Lower Upper

169 100

168 16.1 54.4 81.6#

167 9.8 31.2 46.8#



#71

Phenanthrene

Concen: 6.571 ng

RT: 17.361 min Scan# 2429

Delta R.T. 0.002 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

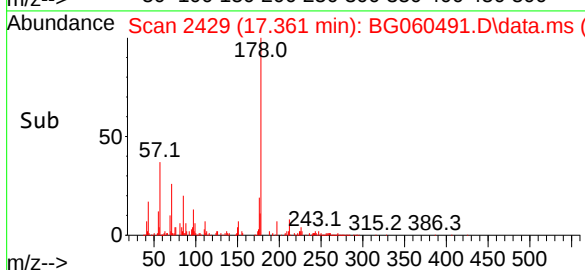
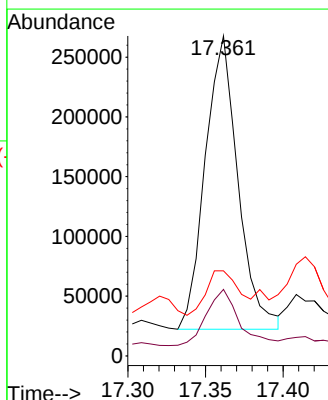
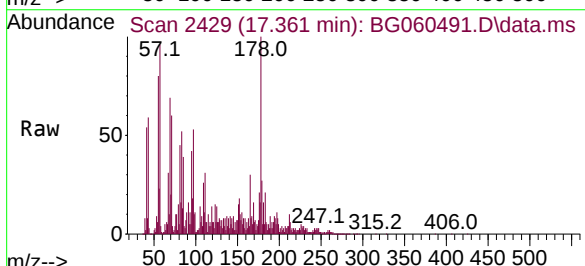
Tgt Ion:178 Resp: 362566

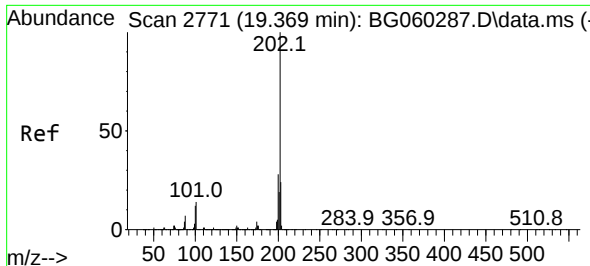
Ion Ratio Lower Upper

178 100

176 20.8 17.4 26.2

179 26.6 14.7 22.1#

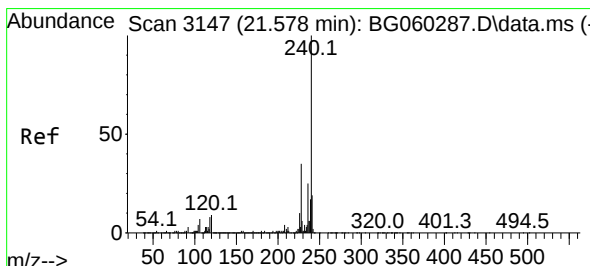
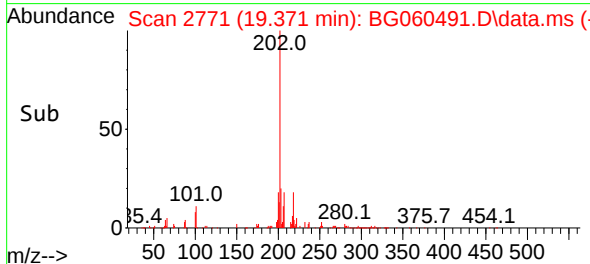
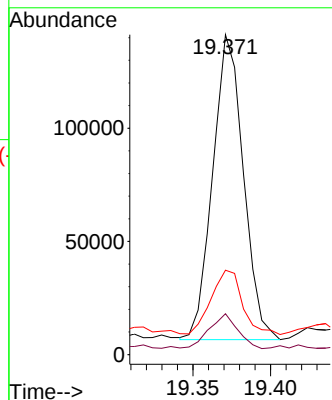
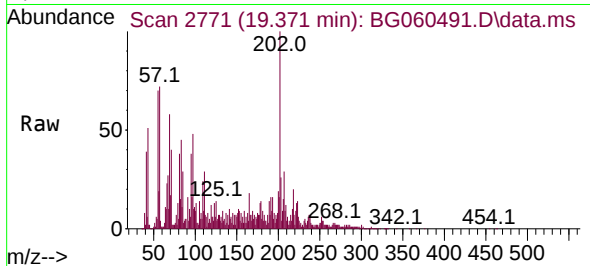




#75
Fluoranthene
Concen: 2.797 ng
RT: 19.371 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

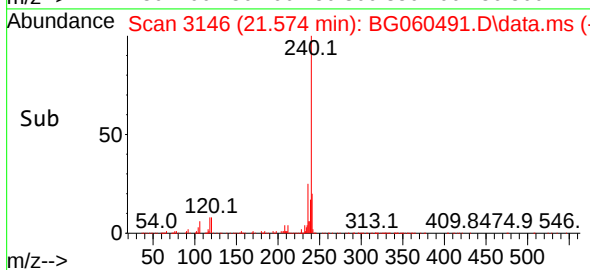
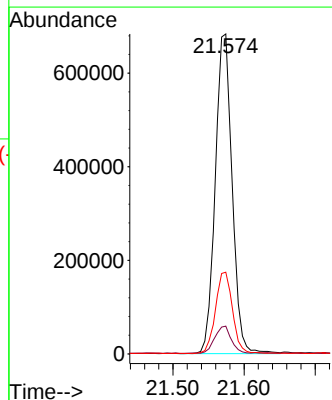
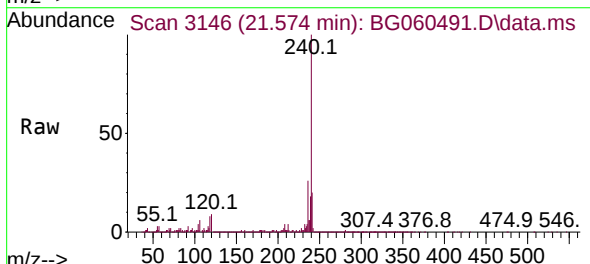
Instrument :
BNA_G
ClientSampleId :
TP-36

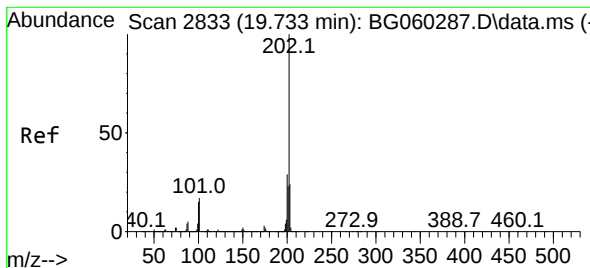
Tgt Ion:202 Resp: 185376
Ion Ratio Lower Upper
202 100
101 12.8 0.0 34.4
203 26.4 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3146
Delta R.T. -0.004 min
Lab File: BG060491.D
Acq: 30 Jan 2024 20:02

Tgt Ion:240 Resp: 1128305
Ion Ratio Lower Upper
240 100
120 8.7 7.3 10.9
236 25.5 20.3 30.5





#78

Pyrene

Concen: 3.076 ng

RT: 19.735 min Scan# 2833

Delta R.T. 0.002 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

Instrument :

BNA_G

ClientSampleId :

TP-36

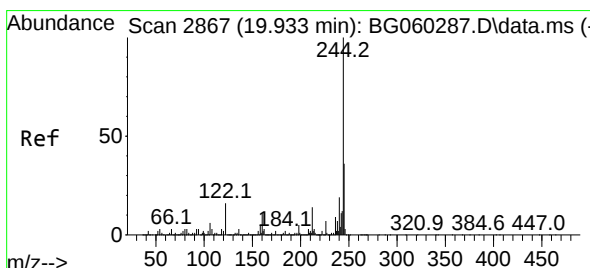
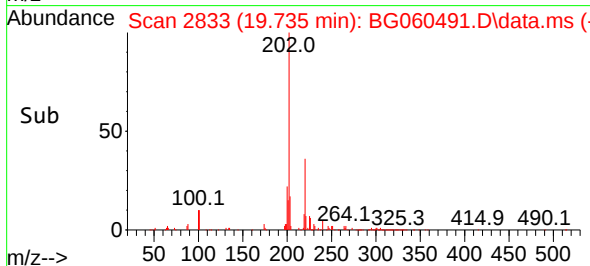
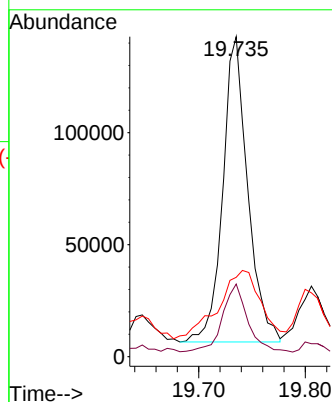
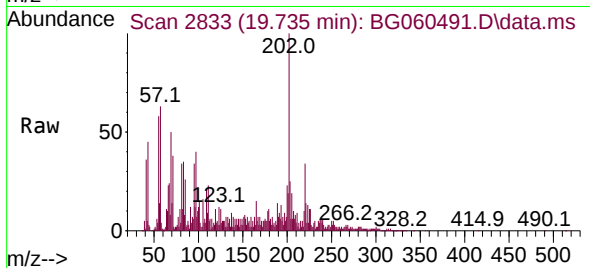
Tgt Ion:202 Resp: 221618

Ion Ratio Lower Upper

202 100

200 22.7 23.5 35.3#

203 24.8 19.6 29.4



#79

Terphenyl-d14

Concen: 61.883 ng

RT: 19.929 min Scan# 2866

Delta R.T. -0.004 min

Lab File: BG060491.D

Acq: 30 Jan 2024 20:02

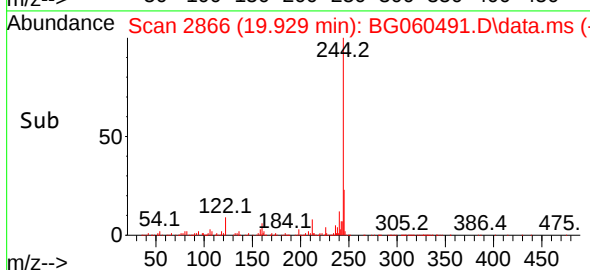
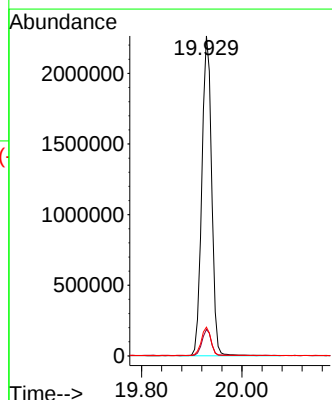
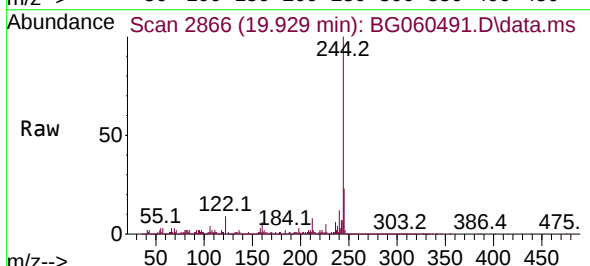
Tgt Ion:244 Resp: 3068259

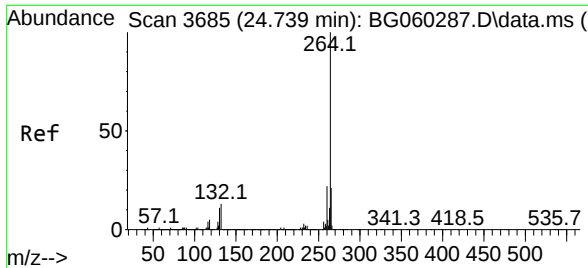
Ion Ratio Lower Upper

244 100

212 8.3 10.9 16.3#

122 9.0 12.6 18.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.729 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: BG060491.D
 Acq: 30 Jan 2024 20:02

Instrument :
 BNA_G
 ClientSampleId :
 TP-36

Tgt Ion:264 Resp: 1337018
 Ion Ratio Lower Upper
 264 100
 260 23.8 17.8 26.6
 265 20.6 16.8 25.2

